Abstract

In a picture processing apparatus for
receiving an input picture signal and generating an
output picture signal with higher quality than the
5   input picture signal. A first signal processing means
and a second signal processing means are disposed. The
first signal processing means performs a storage type
process. The first signal processing means has a
storing means for storing a picture signal with the
10   same quality as the output picture signal. The first
signal processing means adds the input picture signal
and the picture signal stored in the storing means so
as to generate a first picture signal with higher
quality than the input picture and store the first
15   picture signal to the storing means. The second signal
processing means performs a class categorizing adaptive
process. The second signal processing means extracts a
feature of the input picture signal corresponding to
the position of a considered pixel of the output
20   picture signal, categorizes the considered pixel as one
of a plurality of classes corresponding to the feature,
and calculates the input picture signal using a
predetermined calculating method corresponding to the
categorized class so as to generate a second picture
25   signal with higher quality than the input picture
signal. In addition, the picture processing apparatus
has an output selecting means that performs a

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determination for the first picture signal and the
second picture signal and selects one of the first
picture signal and the second picture signal as the
output picture signal.

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